




# Bug Release Notes

Version 5.12.21

## *Release Information*

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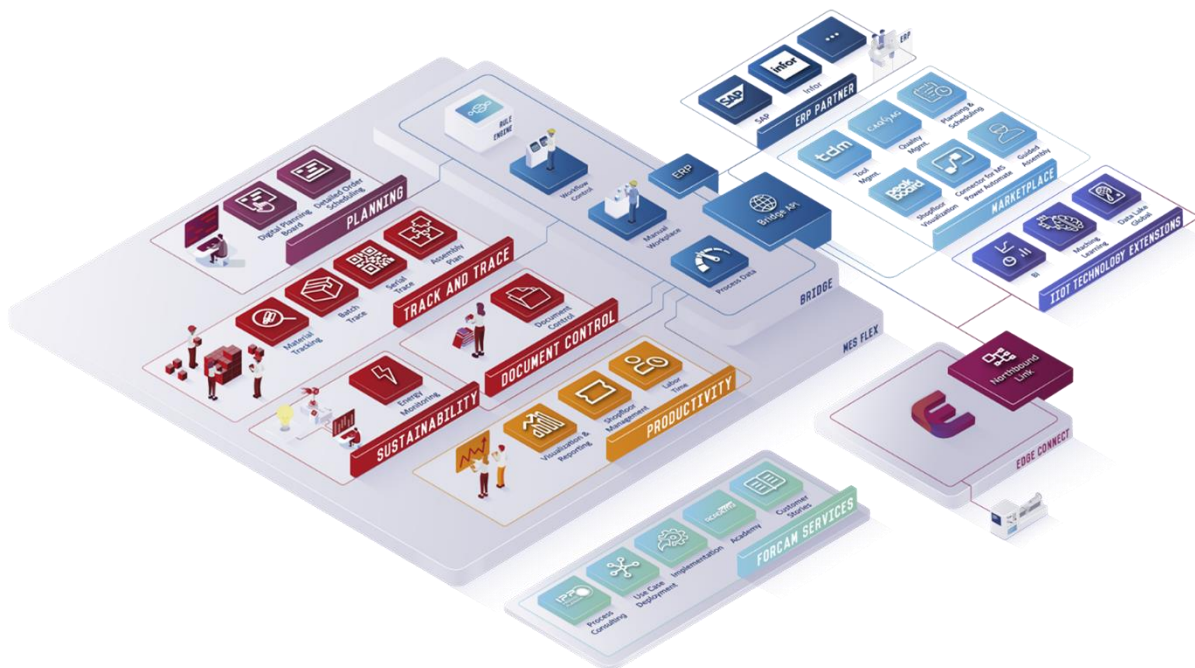
## General

FORCAM provides companies with all the information they need to control and optimize their production. The modular solution FORCAM FORCE MES FLEX is as flexible as the needs of customers. With a variety of production apps, FORCAM helps companies to make their processes more transparent and improve their workflows. In this way, companies create the basis for optimization measures and sustainable success, thereby ensuring their competitiveness.

FORCAM is always endeavored to optimize the FORCAM FORCE MES FLEX solution further, eliminate errors and ensure the best possible experience with full usage for customers. For this purpose, several patches are published throughout the year.

This document lists bugs that have occurred during customer use and that have been fixed during the **5.12.21** release. It gives a brief description of the bug as well as its fix for you to retrace and understand the procedure in the best possible way.

Detailed descriptions of the individual functions can be found in the respective product documentation.



## Fixed Bugs

### EDGE-1639, SD-11202, SD-11136, SD-11203 (FF-34195) – DCU Crash

#### Description

Crashes occurred in the DCU, resulting in the loss of machine signals. These crashes were intermittent and accompanied by a “too many connection thread” error.

#### Fix

The handling of connection threads in the DCU is improved. The source code of Jarvis-DCU had to be changed.

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### FF-33925, FF-24875 (FF-34114) – Digital Planning Board - Display Problem in operation table for some operation

#### Description

In actual data mode, values were not displayed for interrupted operations.

#### Fix

Renderer has been adapted to handle the requested data format.

---

### FF-33937 – Assignment of rights “Edit item immediately” could not be assigned

#### Description

The permission “Edit item immediately” was associated with the “Edit Element Information” permission, making it impossible to perform direct manipulations on an element without possessing the “Edit Element Information” permission.

#### Fix

Decoupled both permissions to fix this issue.

---

### FF-34057, SD-11262 (FF-34238) – ERPDTO not generated on QTYMG correction

#### Description

Wrong order index of correction quantity event.

#### Fix

Fixed the order of the correction quantity events order index in case of quantity correction.

## Fixed Bugs

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### FF-34058 – Inability to change physical unit to French

#### Description

French translation for a literal of a physical unit resulted in an error in FFNewoffice, and the user interface did not offer a means to add the translation.

#### Fix

Added the possibility to edit literal of the physical units.

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### FF-34129 – Workplace Configuration: all workplaces assigned the same UDF number in SQL resulting in identical data population

#### Description

When copying a workplace in workplace configuration, the same literal was being reused for multiple workplaces.

#### Fix

Create a new literal when copying a workplace instead of reusing it.

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### FF-34153 – Hierarchy tree not loaded

#### Description

The hierarchy tree could not be loaded when hierarchy nodes lacked a mnemonic.

#### Fix

A null safe comparator is used for the mnemonic of hierarchy nodes.

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### FF-34167 – Different data displayed in interface and database

#### Description

A required database field was null, but the application did not display any error message to indicate this issue.

#### Fix

An error message has been implemented both on the screen and in the logs. Additionally, the data issue was fixed on the customer's system.

---

**FF-34173 – Digital Planning Board - Performance problems due to repeated UI refreshes****Description**

Significant performance issues on the backend side, resulting in multiple intensive UI refreshes and sluggish behavior of the Digital Planning board. The root cause was identified as the retrieval of workgroup and quantity information by downstream services, involving multiple, time consuming JPA calls and language resolution processes.

**Fix**

This issue is fixed, by caching and optimizing the access of relevant information resulting in significantly improved performance.

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**FF-34216 – FFWorkbench: Null pointer exception at correction operating state manual workplace****Description**

In Corrections > Operating state manual workplace, the check for unused filters when adding the duration was missing.

**Fix**

Added the missing check for unused duration filters.

---

**FF-34225, FF-24351, FF-32083 (FF-34094) – Digital Planning Board splitting AVO into half pieces with odd quantity****Description**

In the Digital Planning Board, when creating an Operation Split and specifying an uneven quantity of pieces (e.g., 20, 22), the pieces were being split in half (like 75 to 37,5).

**Fix**

Implemented the Operation split behavior (regarding the distribution of the qty) that considers the given fraction digit setting.

---

**FF-34228 – Energy type addition issue after disabling DCP****Description**

User is not able to add the same energy type to another DCP after disabling the first DCP.

**Fix**

Upon disabling the DCP, the energy type configuration will reset to null.

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**FF-34235 – The configuration of the decimal places has no effect on the process data acquisition**

**Description**

The decimal places setting currently has no effect on the recording. Data in the process data report could not be viewed as per the configured DCI.

**Fix**

The issue is fixed by, utilizing the configured unit DCI in process data report.

---

**FF-34251 – Track & Trace: Quantity unit for inventory containers incorrect**

**Description**

Quantity unit of the values for inventory containers displayed incorrectly on Operation details view.

**Fix**

Reading the unit from component table in case of inventory containers.

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**IS-174 (FF-34151) – Expired access token in case of status 471**

**Description**

The ffruntime had to be restarted because a new access token was requested after the initial one expired. Additionally, the infor token request was not retried after receiving response code 471 from Infor.

**Fix**

Retry token request after receiving response code 471 from infor.

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**IS-367, FF-34181, SD-11240 (FF-34115) – View Element File in the SFT under Document Control not possible - CSC is reporting ERROR: Downloaded file**

**Description**

Clicking on **View Element file** in the **Document Control**, the Client-Side Connector is reporting an error and no file being displayed. This issue occurred due to third party framework CaptainCasa failure.

**Fix**

The issue is now fixed with the newer version of CaptainCasa (version 20230717).

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## Fixed Bugs

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### IS-381, SD-11207, SD-11029 (FF-34148) – Incorrect time zone displayed in SFT and Workbench

#### Description

The Workbench was displaying incorrect times for the Mexico time zone.

#### Fix

Updated CaptainCasa, which now includes new time zone definitions.

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### IS-393, SD-11068 (FF-34169) – Logging for additional fields missing

#### Description

No possibility to debug calculation times for additional fields.

#### Fix

Added log output for the calculation times of additional fields.

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### IS-452, SD-11264 (FF-34241) – API Communication to TDM functions incorrectly after MES Flex update

#### Description

After Update to 5.12.20 (from 5.11.42) the format of the content `{{startDate and stopDate}}` in the API payload has changed. This issue was caused due to an unknown date utilization for JSON message converter.

#### Fix

The issue is fixed by using Java date instead of OffsetDateTime.

---

### SD-10255, FF-33986 (FF-33662, FF-33986) – Table Sorting locked

#### Description

The issue existed in the core framework of SFT which was missing the proper handling of multiple UI beans simultaneously.

#### Fix

To fix this issue, the handling of multiple UI beans was adapted.

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### SD-10705 (FF-33997) – Importing dashboards shows identical reports multiple times

#### Description

If a report is used several times in a dashboard when importing, the report is listed as often as it is used in the dashboard.

#### Fix

Show dashboard override name, if available, instead of report name.

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## Fixed Bugs

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### SD-10834, IS-311 (FF-34041) – Mandatory flag not enforced for PersonalNumber Filter

#### Description

Person filter mandatory flag does not enforce selection of person.

#### Fix

Person filter mandatory flag enforces selection of person.

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### SD-10841 (FF-34042) – Multireport Add Report not possible

#### Description

Add Buttons were disabled when selecting a sub report

#### Fix

Add Buttons are not disabled anymore when selecting a sub report

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### SD-10845 (FF-34063) – Navigation link fails to reload drill-down link

#### Description

Going back to the previous chart via the navigation link does not reload the drill-down link.

#### Fix

The previous chart is refreshed while going back via the navigation link.

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### SD-10865 (FF-34066) – Visualization not showing created workplace

#### Description

When creating a new workplace in the workbench, it was not selectable in the visualization editor until the Office-client was restarted.

#### Fix

The visualization part of Office-client is enabled to receive master data change events. Additionally, changes are made to the Office-client-visualization messaging context.

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### SD-10890 (FF-34087) – Trigger dashboard call from visualization not saved

#### Description

When assigning a button action to an object, the action was not saved when saving the visualisation.

#### Fix

Modifications are made to the internal handling of button actions in the database. Additionally, required changes are applied to the FFNewOffice source code.

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## Fixed Bugs

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### SD-10910, IS-339 (FF-34136) – Visualization not saving dashboard filters

#### Description

The same dashboard could be assigned to different objects within the same visualization, but this was not possible when using different filters.

#### Fix

The same dashboard can be now assigned to different objects within the same visualization and even when applying different filters.

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### SD-11001, TC-4654, TC-5136 (FF-34024) – Authorized Dashboard links created in Newoffice are not reachable

#### Description

Authorized Dashboard links are reachable when logged into ffnewoffice, but they are not reachable when logged out.

#### Fix

The redirect link has been fixed, allowing authorized dashboard links to be accessible even from third-party systems without requiring login.

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### SD-11031 (FF-34132) – Error Code Mapping: group text issue

#### Description

In the Workplace configuration > error code mapping configuration, the group text was incorrectly identified as a duplicate and subsequently removed.

#### Fix

Trim the group text before saving it.

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### SD-11033 (FF-34139) – Workplace malfunction assignment switch between Local and Unique Configuration

#### Description

It was not possible for **Status Detail Assignments** to directly switch between a Local and a Unique Configuration. As a workaround Configuration Assignment had to be deleted first.

#### Fix

It is now possible to assign “Status Detail Assignments” to directly switch between local and unique template assignments.

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**SD-11058 (FF-34150) – Scrollbar initially not visible**

**Description**

To use the scrollbar, the width of the submenu window had to be manually increased. The issue occurred because of the unavailability of adaptive content view in third party UI framework.

**Fix**

This is fixed by adding the missing attributes for a reactive content view.

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**SD-11061, IS-357 (FF-34097) – Digital Planning Board - NPE & NumberFormatExc with Gantt tooltip**

**Description**

An exception occurred when hovering the mouse over wp-grp column of the Gantt chart, resulting in heavy UI refresh.

**Fix**

Handling the tooltip correctly avoids the exception.

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**SD-11093, IS-398 (FF-34180) – Digital Planning Board is not showing all information**

**Description**

In the Digital Planning Board, when the **user state** was added to the table, it showed the data, but the **user status** attribute was not visible in the operation detail view.

**Fix**

**User status** attribute is displayed in operation detail view alongside **user state**.

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**SD-11140, IS-417 (FF-34197) – Null pointer exception in Material selection**

**Description**

Filters were causing null pointer exceptions, making it impossible to perform material selections in reporting.

**Fix**

Fixed the bug in material selector code.

**Fixed Bugs**

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**SD-11171, FF-34044 (FF-34201) – FFWorkbench service restart needed due to poor performance issues**

**Description**

Long running instances in ffworkbench resulted in slow system behavior and consequently poor responsiveness. This was caused by a memory leak.

**Fix**

Memory leak is fixed, which results in faster performance and better responsiveness.

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**SD-11220 (FF-34215) – Excel Export Error**

**Description**

An error occurred when attempting to export report with bar chart or column chart representation to Excel.

**Fix**

The handling of bar chart or column chart reports to Excel is adapted. The FFNewOffice source code had to be changed.

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**TC-4704 (FF-33906) – SFT: Operation Details - incorrect literal for Assigned Personnel (Operation)**

**Description:**

Wrong literal key used in the operation detail view of the use case templates. The issue occurred in the SFT: Operation Details section, where the literal for "Assigned Personnel (Operation)" is incorrect, as it was intended for the "workplace" instead.

**Fix:**

Updated the Use Case and Templates that were deployed. Corrected the incorrect literal to reflect the intended information accurately.

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**TC-5040, TC-4704 (FF-33746) – DCU Start is not executed correctly on separated server**

**Description**

When restarting DCU/DACQ, the Rockwell service did not start properly and exited with "Port in use" error.

**Fix**

The Rockwell service now waits up to two minutes for the port to become available.

## Appendix

Abbreviation/Term	Description
API	Application Programming Interface
DACQ	Data Acquisition
DCI	Data Collection Item
DCP	Data Capturing Point
DCU	Distributed Numerical Control
DCU	Data Collection Unit
DPB	Digital Planning Board
SFT	Shopfloor Terminal
SQL	Structured Query Language
TDM	Tool Data Management
UI	User Interface